

14. (New) Slips comprising:

- (a) a slips bowl seatable in a table;
- (b) a plurality of pipe-gripping slips disposed in the slip bowl for radial movement therein; and
- (c) a moving means for moving the slips radially whereby the moving means moves the slips into or out of contact of a tubular located within said bowl at substantially ninety degrees to the tubular.

15. (New) The slips as claimed in Claim 14 including a sloping external surface on said slips and in which said moving means comprises a wedge which contacts said sloping surface of the slips thereby moving said wedge over the said sloping surface causes radial movement of the slips.

16. (New) The slips as claimed in Claim 15 in which there is a wedge moving means for applying a force to said wedge to move said wedge over said surface of the slips.


17. (New) The slips as claimed in Claim 15 in which there are a plurality of wedges between said wedge moving means and said slips with a first wedge in contact with said sloping surface of the slips and an adjacent wedge in contact with said first wedge.

18. (New) The slips as claimed in Claim 15 in which there are two wedges with the first wedge in contact with said sloping surface of the slips and an adjacent wedge in contact with said first wedge and said wedge moving means, and in which said first wedge is a coarse wedge and the second wedge is a fine wedge.

19. (New) The slips as claimed in Claim 18 including a spring located between said first and second wedges.

20. (New) The slips as claimed in Claim 18 including ridges on said coarse wedge such that said sloping surface is at an angle greater than about 10 degrees with respect to the axis of the tubular.

Respectfully submitted,



Ronald B. Sherer
Counsel for Applicant
Registration No. 19,977

Bartlett & Sherer
103 South Shaffer Drive
New Freedom, PA 17349
Telephone: (717)227-1197
Fax: (717)227-9008